

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A method for manufacturing hollow ceramics fibers with the pores of the micron-scale hollow structure unidirectionally oriented, comprising ~~the steps of:~~

dispersing organic fibers in a dielectric liquid and applying a high voltage to the dielectric liquid containing said organic fibers dispersed to electrostatically align said organic fibers and to produce a fiber accumulation of unidirectionally-oriented organic fibers,

using the fiber accumulation as a mold and dipping the same in a ceramics base solution, and then

removing the mold by treatment with heat or an organic solvent to form hollow ceramic fibers.

Claim 2 (Currently Amended): The method of ~~manufacturing hollow ceramics fibers unidirectionally oriented according to~~ Claim 1, wherein the organic fiber is at least one selected from the group consisting of raw silk, cotton, hemp, nylon, polyester, acrylic, cellulose and chitin.

Claim 3 (Currently Amended): The method ~~for manufacturing hollow ceramics fibers unidirectionally oriented according to~~ of Claim 1, wherein the ceramics base solution is ~~composed of an~~ comprises at least one alkoxide or chloride of titanium, aluminum, zirconium or silicon, and alcohol, and optionally water, or hydrochloric acid.

Claim 4 (Currently Amended): The method ~~for manufacturing hollow ceramics fibers unidirectionally oriented according to~~ of Claim 1, wherein the ceramics base solution is

~~composed of~~ comprises polyethylene glycol, surfactant(s) and organic polymer(s) represented by block copolymer, in addition to ~~an~~ at least one alkoxide or chloride of titanium, aluminum, zirconium or silicon, and alcohol, and optionally water, or hydrochloric acid.

Claim 5 (Currently Amended): The method ~~for manufacturing hollow ceramics fibers unidirectionally oriented according to~~ of Claim 1, wherein dipping is performed by the dip coating, dipping or spin coating method.

Claim 6 (Currently Amended): The method ~~for manufacturing hollow ceramics fibers unidirectionally oriented according to~~ of Claim 1, wherein the mold is removed by treatment with heat or an organic solvent.

Claim 7 (New): The method of Claim 1, wherein the organic fiber is raw silk.

Claim 8 (New): The method of Claim 1, wherein the organic fiber is cotton.

Claim 9 (New): The method of Claim 1, wherein the organic fiber is hemp.

Claim 10 (New): The method of Claim 1, wherein the organic fiber is nylon.

Claim 11 (New): The method of Claim 1, wherein the organic fiber is polyester.

Claim 12 (New): The method of Claim 1, wherein the organic fiber is acrylic.

Claim 13 (New): The method of Claim 1, wherein the organic fiber is cellulose.

Claim 14 (New): The method of Claim 1, wherein the organic fiber is chitin.

Claim 15 (New): The method of Claim 1, wherein the dielectric liquid is selected from the group consisting of carbon tetrachloride, n-hexane, cyclohexane, and fluorine and chlorine substituted carbon.

Claim 16 (New): The method of Claim 1, wherein a voltage ranging from about 15 kV/1-2cm is applied.

Claim 17 (New): The method of Claim 1, wherein said ceramics base solution comprises an alkoxide or chloride of titanium.

Claim 18 (New): The method of Claim 1, wherein said ceramics base solution comprises an alkoxide or chloride of aluminum.

Claim 19 (New): The method of Claim 1, wherein said ceramics base solution comprises an alkoxide or chloride of zirconium.

Claim 20 (New): The method of Claim 1, wherein said ceramics base solution comprises an alkoxide or chloride of silicon.

Claim 21 (New): The method of Claim 1, wherein the ceramics base solution further comprises an organic polymer.

Claim 22 (New): The method of Claim 1, wherein the ceramics base solution further comprises polyethylene glycol.

Claim 23 (New): The method of Claim 1, wherein the ceramics base solution further comprises a surfactant or an organic block polymer.

Claim 24 (New): The method of Claim 1, wherein the ceramics base solution further comprises cetyltrimethyl ammonium chloride, hexadecyltrimethyl ammonium bromide, Pluronic E127 or Pluronic P123.

Claim 25 (New): The method of Claim 1, wherein the mold is removed by a heat treatment.

Claim 26 (New): The method of Claim 1, wherein the mold is removed by a heat treatment at a temperature ranging from 300-700°C.

Claim 27 (New): The method of Claim 1, wherein the mold is removed by treatment with hydrochloric acid.

Claim 28 (New): The method of Claim 1, wherein the mold is removed by treatment with sulfuric acid.

Claim 29 (New): The method of Claim 1, wherein the mold is removed by treatment with nitric acid.

Claim 30 (New): The method of Claim 1, wherein the mold is removed by treatment with formic acid.

Claim 31 (New): The method of Claim 1, wherein the mold is removed by treatment with trichloroacetic acid.

Claim 32 (New): The method of Claim 1, wherein the mold is removed by treatment with dichloroacetic acid.

Claim 33 (New): The method of Claim 1, wherein the mold is removed by treatment with dimethyl acetoamide solution.